



Implementation progress



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Nyttiggörande

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- **Testning av elitmaterialet med avseende på sjukdomsresistens (*Heterobasidion*)**
- **Prediktion av vedstyvhet för en hel förädlingspopulation genom att använda icke destruktiva verktyg**
- **Tillämpa genomisk selektion i en förädlingspopulation**



Testning av elitmaterialet med avseende på sjukdomsresistens (*Heterobasidion*)

- Inoculations in TreO seed orchards
 - South and central Sweden 2015-16 (six seed orchards)
 - South, central and northern Sweden 2016 (nine seed orchards)
- Scoring of infections carried out
- Statistical/genetic evaluations will be carried out
- Results will be presented to SO owners for possible genetic thinning or clone replacement





Testning av elitmaterialet med avseende på sjukdomsresistens (*Heterobasidion*)

- Inoculation of young seedlings carried out in Ekebo 2016, and in Sävar during 2017
- Ekebo: 470 half-sib families, up to 12 replications
- Sävar 540 families
- Ekebo results ready to be published
- Results will be included in the TreePlan database





More seedlings for phenology assessment

- Damaged by hare during the winter 2016/17
- *Inventory has been carried out*
- *New material, 400 families were sown for this and a Formas project. Budset data has been recorded.*





Prediktion av vedstyvhet för en hel förädlingspopulation genom att använda icke destruktiva verktyg

- Collections from clone archives in Ekebo, Brunsberg and Sävar
 - Bore cores
 - Pilodyn (for wood density)
 - Hitman (for acoustic resonance)





Prediktion av vedstyvhet för en hel förädlingspopulation genom att använda icke destruktiva verktyg

- Phenotyping in two Breeding trials during October
 - Pilodyn (for wood density)
 - Hitman (for acoustic resonance)
- S21S0021331, Asa
- S21S0021330, Tönnersjö





Tillämpa genomisk selektion i en förädlingspopulation

- 24 seeds per family of 35 half sib families with mothers from the AM-population were sown in January 2017
- Plants will be labelled, randomized and packed during the fall.
- Two field trials will be planted in the spring of 2018

